DR-57. THE DIVERGENT SYNTHESIS OF ALLENYLSULFONAMIDE AND ENAMINONESULFONAMIDE *VIA* In(III)-CATALYZED COUPLINGS OF PROPARGYLAMINE AND *N*-FLUOROBENZENESULFONIMIDE

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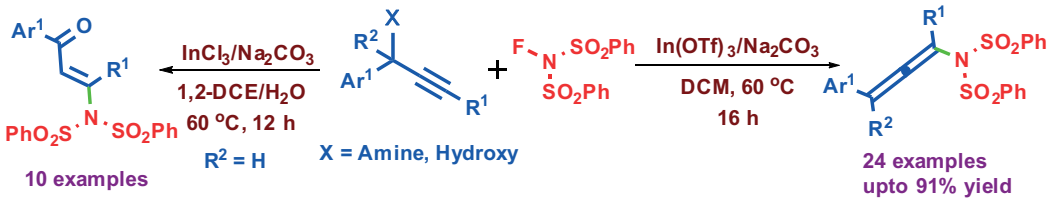
Allenes [1] and enaminones [2] are the most powerful and versatile synthetic building blocks having broad applications in modern synthetic chemistry. They are widely found in a variety of natural products and pharmaceutical molecules. Moreover, allenamide, a special class of functionalized allene, has been received much attention to the synthetic community due to its prevalence in a large number of natural compounds, marketed drugs, and optoelectronic materials. In continuing the development of new protocols for the C-N bond construction [3], herein, we report a regioselective synthesis of allenylsulfonamide and enaminonesulfonamide compounds via a facile indium(III)-catalyzed direct substitution of propargylamine with NFSI under ligand-free, and additive-free conditions [4].



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